S&MA Mission Services
Task Directive

Control Number: 001	PWS Task No. 6.1.1, 6.2.1, 6.2.2	Contract No. NAS8-00179
Originator's Signature: QS10/George S. Mitchell		Date: March 5, 2001
Office Manager's Signature: QS10/Terry J. Hamm		Date: March 5, 2001
COTR's Approval: QS10/Terry J. Hamm		Date: March 5, 2001

Subject: QS10 Software Quality Assurance (SQA) Task Directive
(Science Directorate/Flight Projects Directorate/Space Transportation Directorate)

Task Description:
Support the establishment, implementation, and maintenance of applicable, NASA, Government approved Industry Standards, or DoD, Software Quality Assurance (SQA) requirements, and implementing these requirements on MSFC managed in-house and contracted software development programs. Support shall include, when applicable, the following:

1). Prepare, evaluate, and provide assessments of MSFC managed in-house and contracted program/project SQA Plans.

2). Evaluate and provide assessments of program/project software products (i.e. Software Development Plans, Software Requirements Specifications, Software Test Plans, etc.).

3). Participate and provide assessment during program/project milestone reviews (i.e. PDR, CDR, TRR, etc.)

4). Support audit planning and tracking of findings associated with the S&MA evaluation of MSFC managed software development process though SQA internal audits (i.e. Software Development Folder Audits, Software Configuration Management Audits, Software Requirements Traceability Audits, Peer Review Audits, etc.)

5). Perform software quality assurance test activities during the appropriate software development life cycle phase.

6). Prepare, evaluate, and provide assessment of software engineering change documentation (i.e. ECRs, ECPs, SPRs, TDRs, etc.)

7). Prepare and participate in SQA related training.

8). Support the collection of SQA metrics.

9). Evaluate and provide assessment of applicable NASA/MSFC policies and guidelines (NPDs, NPGs, MPDs, MPGs, etc.)

10). Prepare, evaluate, and provide assessment associated with the NASA Initiative for Software Safety and Quality.

11). Prepare, evaluate, and provide assessment associated with S&MA/SQA documentation for the implementation of the SEI Capability Maturity Model (CMM) (i.e. SQA OIs, etc.).

Deliverables/Schedule:
Deliverables:
Program/Project specific Software Quality Assurance Plan(s) and SQA Status Reports.
Schedules/Duration:
Support schedules as defined by applicable planning documentation and/or QS10 request.
Duration of support should be defined as life of the program/project and/or at QS10 request.

Report Progress To:	Report Date:	Frequency of Report:
QS10/J. Collins/G. Mitchell	As applicable	Weekly/monthly